



University of Ruhuna
Wellamadama
Matara

17.08.2022

The Manager,
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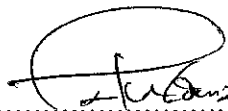
Invitation for Bids (IFB)

Contract: Supply, Delivery, Installation, Commissioning and Testing of Laboratory Equipment for Faculty of Technology, University of Ruhuna.

IFB No - AHEAD/RA1/STEM3/RUH/FOT/GOODS/2022/NS 215

The Chairman, Department Procurement Committee on behalf of the University of Ruhuna invites sealed bid from you for **Supply, Delivery, Installation, Commissioning and Testing of Laboratory Equipment for Faculty of Technology, University of Ruhuna** indicated in the annexed bid document.

01. Bidding will be conducted through National Shopping method of procurement.
02. You may obtain further information if any from the **Deputy Director- Procurement (AHEAD Project) Supplies Branch, University of Ruhuna, Wellamadama, Matara. (T.P 041- 2227027/ Fax No. 041 – 2227027)**
03. Bids must be delivered by mail in sealed envelopes addressed to **Director/OTS, AHEAD Project-OTS Office, University of Ruhuna, Wellamadama, Matara before 02.00 p.m. on August 31, 2022.** Late bids will be rejected.
04. This contract is subject to,
 - Providing of performance security of 10% of the total contract price in accordance with the format attached and issued with this in favor of the Vice Chancellor, University of Ruhuna.
 - Entering in to the formal agreement with the University of Ruhuna.


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17/08/2022

Deputy Director - Procurements,
AHEAD Program,
University of Ruhuna,
Wellamadama,
Matara.



UNIVERSITY OF RUHUNA

**PROCUREMENT OF GOODS UNDER
NATIONAL SHOPPING PROCEDURES**

**INVITATION FOR QUOTATIONS
FOR**

**Supply, Delivery, Installation, Commissioning and Testing of
Laboratory Equipment for Faculty of Technology, University of Ruhuna**

IFB No: AHEAD/RA1/STEM3/RUH/FOT/GOODS/2022/NS 215

Section I. Instructions to Vendors (ITV)

A: General	
1. Scope of Bid	1.1 The Purchaser named in the Data Sheet invites you to submit a quotation for the supply of Goods as specified in Section III Schedule of Requirements.
B: Contents of Documents	
2. Contents of Documents	2.1 The documents consist of the Sections indicated below. <ul style="list-style-type: none"> • Section I. Instructions to Vendors (ITV) • Section II. Data Sheet • Section III. Schedule of Requirements • Section IV. Technical Specifications & Compliance with Specifications with price schedule • Section V. Quotation submission Form(s)
C: Preparation of Quotation	
3. Documents Comprising your Quotation	3.1 The Quotation shall comprise the following: <ul style="list-style-type: none"> (a) Quotation Submission Form and the Price Schedules; (b) Technical Specifications & Compliance with Specifications
4. Quotation Submission Form and Price Schedules	4.1 The vendor shall submit the Quotation Submission Form using the form furnished in Section V. This form must be completed without any alterations to its format, and no substitutes shall be accepted. All blank spaces shall be filled in with the information requested. 4.2 Alternative offers shall not be considered. The vendors are advised not to quote different options for the same item but furnish the most competitive among the options available to the bidder.
5. Prices and Discounts	5.1 Unless specifically stated in Data Sheet, all items must be priced separately in the Price Schedules. 5.2 The price to be quoted in the Quotation Submission Form shall be the total price of the Quotation, including any discounts offered.

	<p>5.3 The applicable VAT shall be indicated separately.</p> <p>5.4 Prices quoted by the vendor shall be fixed during the vendor's performance of the Contract and not subject to variation on any account. A Quotation submitted with adjustable price shall be treated as nonresponsive and may be rejected.</p>
6. Currency	6.1 The vendors shall quote only in Sri Lanka Rupees.
7. Documents to Establish the Conformity of the Goods	<p>7.1 The vendor shall furnish as part of its quotation the documentary evidence that the Goods conform to the technical specifications and standards specified in Section IV, "Technical Specifications & Compliance with Specifications".</p> <p>7.2 The documentary evidence may be in the form of literature, drawings or data, and shall consist of a detailed item by item description of the essential technical and performance characteristics of the Goods, demonstrating substantial responsiveness of the Goods to the technical specifications, and if applicable, a statement of deviations and exceptions to the provisions of the Technical Specifications given.</p> <p>7.3 If stated in the Data Sheet the vendor shall submit a certificate from the manufacturer to demonstrate that it has been duly authorized by the manufacturer or producer of the Goods to supply these Goods in Sri Lanka.</p>
8. Period of Validity of quotation	8.1 Quotations shall remain valid for the period of sixty (60) days after the quotation submission deadline date.
9. Format and Signing of Quotation	9.1 The quotation shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the vendor.
D: Submission and Opening of Quotation	
10. Submission of Quotation	<p>10.1 Vendors may submit their quotations by Registered post in sealed envelopes addressed to the Purchaser and bear the specific identification of the quotation number.</p> <p>10.2 If the quotation is not sealed and marked as required, the Purchaser will assume no responsibility for the misplacement or premature opening of the quotation.</p>
11. Deadline for Submission of Quotation	11.1 Quotation must be received by the Purchaser at the address set out in Section II, "Data Sheet", and not later than the date and time as specified in the Data Sheet.

12. Late Quotations	12.1 The Purchaser shall reject any quotation that arrives after the deadline for submission of quotations, in accordance with ITV Clause 11.1 above.
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13. Opening of Quotations	<p>13.1 The Purchaser shall conduct the opening of quotation in public at the address, date and time specified in the Data Sheet.</p> <p>13.2 A representative of the bidders may be present and mark his attendance.</p>
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E: Evaluation and Comparison of Quotations

14. Clarifications	<p>14.1 To assist in the examination, evaluation and comparison of the quotations, the Purchaser may, at its discretion, ask any vendor for a clarification of his quotation. Any clarification submitted by a vendor in respect to his quotation which is not in response to a request by the Purchaser shall not be considered.</p> <p>14.2 The Purchaser's request for clarification and the response shall be in writing.</p>
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15. Responsiveness of Quotations	<p>15.1 The Purchaser will determine the responsiveness of the quotation to the documents based on the contents of the quotation received.</p> <p>15.2 If a quotation is evaluated as not substantially responsive to the documents issued, it may be rejected by the Purchaser.</p>
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16. Evaluation of quotations	<p>16.1 The Purchaser shall evaluate each quotation that has been determined, to be substantially responsive.</p> <p>16.2 To evaluate a quotation, the Purchaser may consider the following: (a) the Price as quoted; (b) price adjustment for correction of arithmetical errors; (c) price adjustment due to discounts offered.</p> <p>16.3 The Purchaser's evaluation of a quotation may require the consideration of other factors, in addition to the Price quoted if stated in Section II, Data Sheet. These factors may be related to the characteristics, performance, and terms and conditions of purchase of the Goods.</p>
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<p>17. Purchaser's Right to Accept any Quotation, and to Reject any or all Quotations</p>	<p>17.1 The Purchaser reserves the right to accept or reject any quotation, and to annul the process and reject all quotations at any time prior to acceptance, without thereby incurring any liability to bidders.</p>
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<p>F: Award of Contract</p>	
<p>18. Acceptance of the Quotation</p>	<p>18.1 The Purchaser will accept the quotation of the vendor whose offer has been determined to be the lowest evaluated bid and is substantially responsive to the documents issued.</p>
<p>19. Notification of acceptance</p>	<p>19.1 Prior to the expiration of the period of validity of quotation, the Purchaser will notify the successful vendor, in writing, that his quotation has been accepted.</p>
<p>20. Signing of Contract</p>	<p>20.1 Within (14) days after notification, the Purchaser shall complete the Agreement, and in form the successful Bidder have to sign it. 20.2 Within fourteen (14) days of receipt of such information, the successful Bidder shall sign the Agreement.</p>
<p>21. Performance Security.</p>	<p>21.1 Within fourteen (14) days of the receipt of notification of award from the Purchaser, the successful Bidder is required furnish the Performance Security in accordance with the CC, using for that purpose the Performance Security Form included in Section VII contract forms, The Employer shall promptly notify the name of the winning Bidder to each unsuccessful Bidder and discharge the Bid Security of the unsuccessful bidders. 21.2 Failure of the successful Bidder to submit the above mentioned Performance Security or sign the contract shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security or execution of the Bid-Securing Declaration. In that event the Purchaser may award the Contract to the next lowest evaluated Bidder, whose offer is substantially responsive and is determined by the purchaser to be qualified to perform the contract satisfactorily.</p>

Section II: Data Sheet

ITV Clause Reference	
1.1	The Purchaser is: Vice Chancellor Address : University of Ruhuna, Wellamadama Matara.
5.1	If the bidder is allowed to quote for lesser number of items than the total number of items specified, indicate the details.
7.3	Manufacturer's Authorization is required.
11.1	Address for submission of quotations is Director/ OTS, AHEAD Project, University of Ruhuna, Wellamadama, Matara. Deadline for submission of quotations is at 200 P.M. on August 31, 2022
13	The Quotations shall be opened at the following address: AHEAD PROJECT, OTS-Office, University of Ruhuna, Wellamadama, Matara.
16	Other factors that will be considered for evaluation are (List and describe the methodology):
Additional Clause	
17. Payment	Payment shall be made within eight weeks after receiving the invoice and other required documents to the Office for each item supplied.
19. Liquidated Damages	The supplier should deliver the items within the delivery period stipulated in the schedule of requirements. The supplier should make payment to the purchaser for each week of delay in delivery, at the rate of 0.5% of the contract sum per each week of delay, up to a maximum of 10% of the contract sum.
21. Performance Security	If required, the supplier should forward performance security of 10% of the total contract price. This should be issued in favor the Vice Chancellor, university of Ruhuna, valid for one year period from date of acceptance of the order.

Section III: Schedule of Requirements

Note:

1. Bidders a) May quote whole item.
2. Evaluation will be based on: a) separately.

Item No.	Brief Description of the Goods	Specification and Requirements	Quantity	Delivery Period	Bidder's offered Delivery Date
01	Melting furnace	Annexure I	01	2 Weeks	
02	Universal tool and cutter grinder	Annexure II	02	2 Weeks	
03	Granite surface plate with accessories	Annexure III	01	2 Weeks	
04	Milling machine boring heads	Annexure IV	03	2 Weeks	

Place of Delivery: Faculty of Technology, University of Ruhuna, Karagoda, Uyangoda, Kamburupitiya.

Section V

Quotation Submission Form

[The Vendor shall fill in this Form in accordance with the instructions indicated. No alterations to its format shall be permitted and no substitutions will be accepted.]

Date:

To:.....

[insert complete name of Purchaser]

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the document issued;
- (b) We offer to supply in conformity with the documents issued and in accordance with the Delivery Schedules specified in the Schedule of Requirements, the following Goods [insert a brief description of the Goods];
- (c) The total price of our quotation including any discounts offered is: [insert the total quoted price in words and in figures];
- (d) Our quotation shall be valid for the period of time specified in ITV Sub-Clause 8.1, from the date fixed for the quotation submission deadline in accordance with ITV Sub-Clause 11.1, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (e) We understand that this quotation, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us.
- (f) We understand that you are not bound to accept the lowest evaluated quotation or any other quotation that you may receive.

Signed:.....

[insert signature of Person whose name and capacity are shown]

Name:

[insert complete name of person signing the Bid Submission Form]

Dated:

PRICE SCHEDULE –IV

Contract: Supply, Delivery, Installation, Commissioning and Testing of Laboratory Equipment for Faculty of Technology, University of Ruhuna.

IFB No - AHEAD/RA1/STEM3/RUH/FOT/GOODS/2022/NS 215

Item No.	Description	Qty.	Unit Rate. (Without VAT) (Rs. & Cents)	VAT (Rs. & Cents)	Total Amount (With VAT) (Rs. & Cents)
01	Melting furnace	01			
02	Universal tool and cutter grinder	01			
03	Granite surface plate with accessories	01			
04	Milling machine boring heads	03			

We agree to supply and delivery the above goods in accordance with the technical specifications for a total contract price of Rupees..... (amount in figures) (amount in words) within the period specified in the Invitation for Quotations.

We also confirm that the warrantee/guarantee specified shall apply to the offered goods.

.....
Signature of the Bidder **Name of the Bidder** **Date**

1. Specification for Melting Furnace

Specification	Requirement	Conformity		If No, Bidder's Response
		Yes	No	
Type	Medium frequency induction type furnace			
Supply voltage / frequency	230V single Phase ,50Hz or 400V 3 phase			
Rated power	15 kW – 20 kW			
Melting Materials	Steel, Iron, Copper and Copper alloys, Aluminum and Aluminum alloys			
Maximum temperature	1600 °C			
Crucible	Replaceable			
Crucible material	Clay graphite crucible			
Required Control panel displays and functions	Temperature display, Line Current meter, Power Supply ON / OFF switch, Power regulation knob, PID temperature controller, Alarm Indicators, Indication lamps etc. should be provided. Digital controllers are preferred			
Setting temperature	Temperature should be settable in 5 °C increments			
Temperature display accuracy	± 5 °C			
Oscillating frequency	Specify			
Core converter	6 pulse IGBT converter			
Controller	specify			
Mass of charge to be melted (steel)	Maximum 5 kg			
Melting environment	Atmospheric air			
Method of cooling	Specify			
Protection and Safety interlocks	All Protection and Safety interlocks should be provided for safe operation of the protection i.e. overheat, overcurrent, phase fail, Cooling water temperature, pressure & flow etc.			
Accessories (at least)	One extra crucible, crucible handling equipment like lifting tongs.			
Other	Equipment should be portable, light weight and easily installed Power supply and control panel should be provided as			

	a single unit and heating coil and crucible as a separate unit Should equip with a safe method of transferring molten metal to another container (preferably should have tiltable furnace)			
Supply, Installation, Commissioning and testing	Yes			
Country of Origin / comply to measurement and safety standards of	Specify & Include ISO CE certificate			
Make	Specify			
Warranty (if any condition please specify)	More than 1 year warranty			
Service agreement after the warranty period	Specify the available service plans and the support provide			
Manuals, quality inspection reports, testing materials and maintenance accessories	Should be provided without additional cost			
After Sales Service	Required			
Onsite Training	Yes			
Spare Parts Available For at least 10 Years	Yes			
The company manufactures machines under same brand name and reputation of manufacturer	at least 10 years of history			
Other specification	Please specify.			
Complying International Standards	Please Specify			

2. Specification for Universal tool and cutter grinder

Specification	Requirement	Conformity		If No, Bidder's Response
		Yes	No	
Supply voltage	400 V ,3phase .50 Hz Should be provided with a suitable industrial power socket			
Purpose	Should be able to grind HSS end mill cutters, HSS slitting saw cutters, HSS taps, carbide tips			
Maximum Workpiece diameter	200 mm			
Maximum Workpiece length	500 mm			
Warrenty	Minimum 1 year or specify			
Maximum external grinding dimensions	5 - 50 x 400mm			
Maximum internal grinding dimensions	10 - 50 x 75mm			
Tool grinding dimensions	200 x 500mm			
surface grinding dimensions	200 x 50mm			
Maximum workpiece weight	10 Kg			
taper of headstock	MT 2			
speeds of headstock	Specify			
swivel	±90°			
chuck diameter	100 mm			
traverse (manual) grinding headstock	Vertical 200mm Transverse 200mm			
scale division for height adjustment	0.01mm			
height adjustment per handwheel rotation	1mm			
swivel range of grinding headstock	±90°			
Maximum grinding wheel dimensions	200 x 20 x 75 mm			
Maximum longitudinal table traverse	480mm			
table swivel range	+ 45°- 30°			
tailstock taper	MT 2			
quill travel	14 mm			
grinding wheel motor output	Specify			
Spare Parts Available For at least 10 Years	Yes			
The company manufactures machines under same brand name and reputation of manufacturer	at least 10 years of history			
Other specification	Please specify.			
Complying International Standards	Please Specify			

3. Specification for Granite Surface plate with accessories

Specification	Requirement	Conformity		If No, Bidder's Response
		Yes	No	
Surface plate material	Granite			
Grade	Workshop Grade (B), 16 μ m			
Surface plate size	800 mm \times 500 mm inches			
Frame for the Granite Plate	Need to be included with levelling screws for adjustments			
should provide with these measuring accessories at least	<ul style="list-style-type: none"> Digital height gauge Range – 0-600 mm Accuracy - \pm 0.04 mm Resolution –Should be switchable between 0.01mm and 0.005 mm			
Other specifications	<ul style="list-style-type: none"> periodic calibration required upon request 			
Country of Origin / comply to measurement and safety standards of	Specify & mention ISO CE certificate.			
Warranty (if any condition please specify)	More than 1 year warranty			
Service agreement after the warranty period	Specify the available service plans and the support			
Manuals, quality inspection reports, testing materials and maintenance accessories	Should be provided without additional cost			
After Sales Service	Required			
Spare Parts Available For at least 10 Years	Yes			
The company manufactures machines under same brand name and reputation of manufacturer	Please specify			
Other specification	Please specify.			
Complying International Standards	Please specify.			

4. Specification for Milling Machine boring head

Specification	Requirement	Conformity		If No, Bidder's Response
		Yes	No	
Arbor type	To be compatible with ISO40 taper. should be fitted with interchangeable shanks			
Maximum Boring diameter	Not more than 300 mm			
Boring head diameter	Not more than 75 mm			
Required minimum graduation of boring diameter	At least 0.01 mm			
Boring bar shank diameter	18 mm			
Maximum offset	15 mm – 25 mm			
should provide with these accessories at least	<ul style="list-style-type: none"> • 18-10mm Reduction Sleeve, 1 Nos • 18-12mm Reduction Sleeve, 1 Nos • 10mm Carbide Tipped Boring Tools, 3 Nos • 18mm Carbide Tipped Boring Tool ,3 Nos • Required tools for changing boring tools and for fixing boring head to the milling machine 			
Country of Origin / comply to measurement and safety standards of	Specify & mention ISO CE certificate.			
Warranty (if any condition please specify)	More than 1-year warranty			
Service agreement after the warranty period	Specify the available service plans and the support			
Manuals, quality inspection reports, testing materials and maintenance accessories	Should be provided without additional cost			

After Sales Service	Required			
Onsite Training	No			
Spare Parts Available For at least 10 Years	Yes			
The company manufactures machines under same brand name and reputation of manufacturer	at least 10 years of history			
Other specification	Please specify.			
Complying International Standards	Please specify.			